

Final Series of Public Meetings



Public Meeting Locations

City	Date
Jasper	Monday, September 26
Livingston	Tuesday, September 27
Huntsville	Wednesday, September 28
Bryan	Thursday, September 29
Eldorado	Monday, October 3
Brady	Tuesday, October 4
Lampasas	Wednesday, October 5
Killeen	Thursday, October 6



Public Involvement

- Two Series of Public Meetings
- Three Newsletters
- Website: Visit www.txdot.gov and enter “US 190” in search field
- Email: TPP_US_190_Study@txdot.gov
- Hotline: 1.866.721.7868
- Mailing Address:

US 190/I-10 Feasibility Study
412 North Street
Nacogdoches, Texas 75961



Study Participants

- Texas Department of Transportation
- Major Stakeholders
 - Cities
 - Counties
 - MPOs/COGs
 - Ports and Ports
 - Railroad Companies
- Public
- Consultant Team



Study Corridor



- US 190/I-10 from El Paso to Louisiana state line
- Approximately 900 miles in length
- Traverses 25 counties



Study Objectives

- Determine mobility and safety needs
- Evaluate impacts and feasibility of alternative transportation improvements
- Improve connections to military installations/deployment ports
- Identify alternative funding sources
- Develop prioritized implementation plan
- Obtain public/stakeholder input

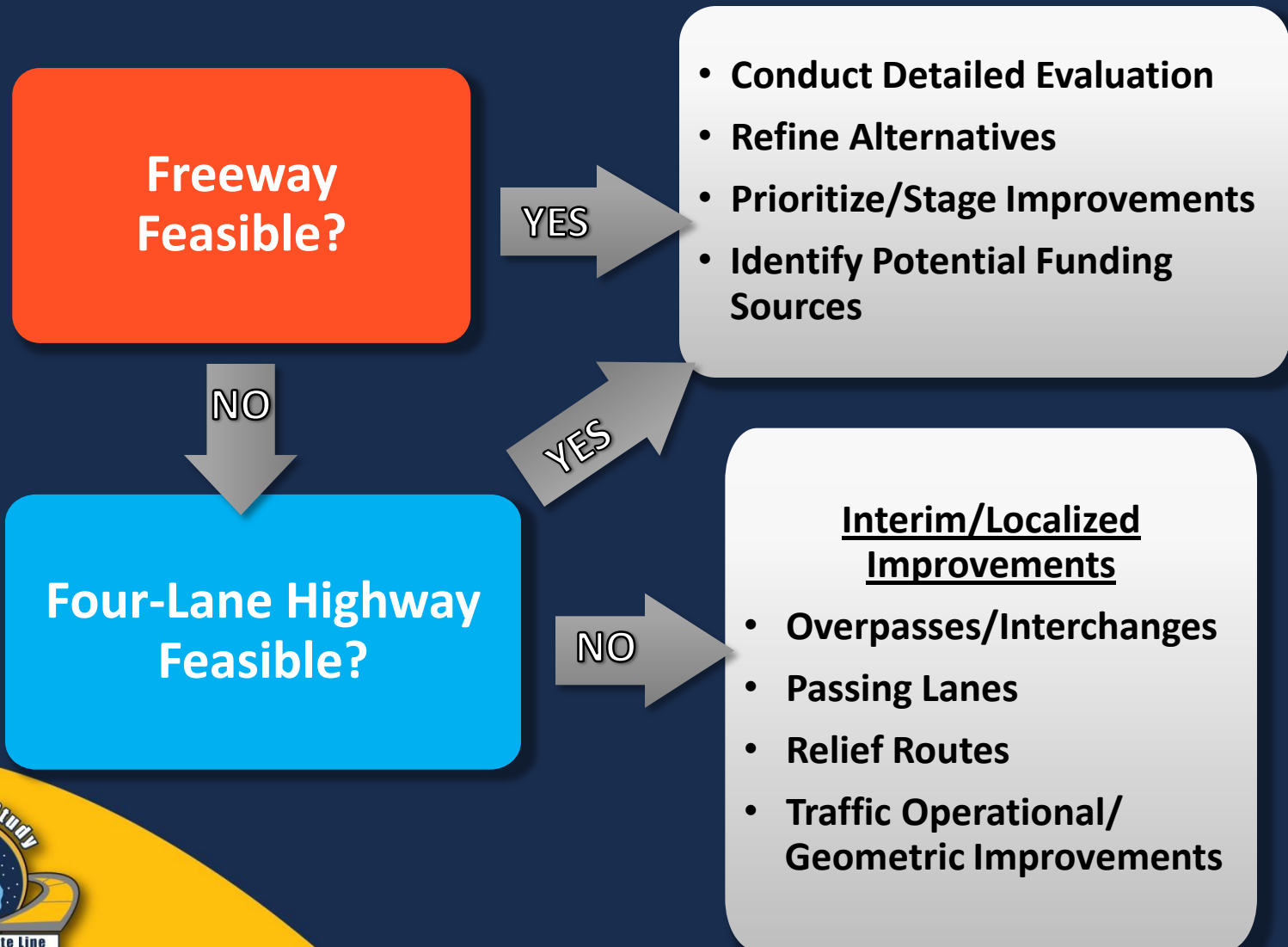


Study Schedule

Study Timeline



Evaluation Process



Freeway v. Highway

Characteristics	Freeway (Four-Lane)	Highway (Four-Lane)
Access	Full Access Control	Partial Access Control
Speed	55 - 70 mph	45 - 60 mph
Right-of-Way	300 - 400 feet	250 feet
Grade Separations/ Interchanges*	65 - 75	20 - 30
Roadway Capacity (LOS C)	55,000 - 60,000 vpd	35,000 - 40,000 vpd
Cost per Mile	\$6 - \$10 m	\$4 - \$6 m

* Indicates number of grade separations/interchanges along US 190



Total Freeway - Option 1

I-10 to US 277 to US 190 to LA state line



- Existing Freeway
- Proposed Freeway



Total Freeway - Option 2

I-10 to US 83 to US 190 to LA state line
Uses Options FM 93, SH 30, SH 63



- Existing Freeway
- Proposed Freeway



Four-Lane Highway - Option 1

I-10 to US 190 to LA state line



- Existing Freeway
- Proposed Four-Lane Divided Highway



Four-Lane Highway - Option 2

I-10 to US 277 to US 190 to LA state line
Uses Options FM 93, SH 30, SH 63



Existing Freeway

Proposed Four-Lane Divided Highway



Four-Lane Highway - Option 3

I-10 to US 83 to US 190 to LA state line
Uses Options FM 93, SH 30, SH 63



- Existing Freeway
- Proposed Four-Lane Divided Highway



Freeway/Highway Combination

Fort-to-Port - Option 1

I-10 to US 277 to US 190 to LA state line
Uses Option SH 63



- Existing Freeway
- Proposed Freeway
- Proposed Four-Lane Divided Highway



Freeway/Highway Combination

Fort-to-Port Option 2

I-10 to US 277 to US 190 to LA state line
Uses Option SH 63



- Existing Freeway
- Proposed Freeway
- Proposed Four-Lane Divided Highway



Freeway/Highway Combination Evacuation

I-10 to US 190 to LA state line
Uses Option SH 63



- Existing Freeway
- Proposed Freeway
- Proposed Four-Lane Divided Highway



Freeway/Highway Combination

Mobility/Safety - Option 1

I-10 to US 190 to LA state line
Uses Option SH 63



- Existing Freeway
- Proposed Freeway
- Proposed Four-Lane Divided Highway



Freeway/Highway Combination

Mobility/Safety - Option 2

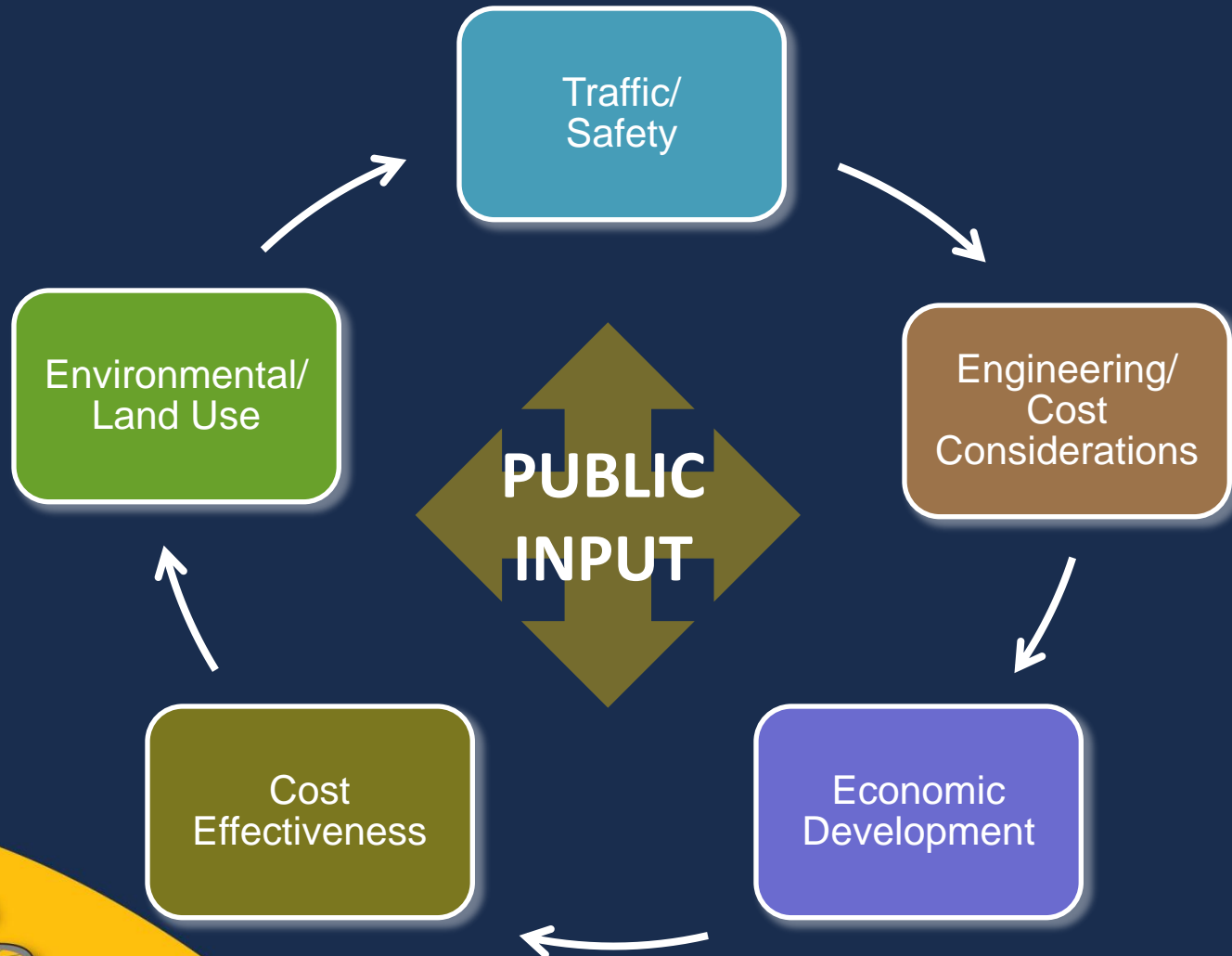
I-10 to US 190 to LA state line
Uses Option SH 63



- Existing Freeway
- Proposed Freeway
- Proposed Four-Lane Divided Highway



Major Study Elements



Study Sections

I-10



New Mexico
to
US 190

West US 190



I-10
to
US 281

Central US 190



US 281
to
I-45

East US 190



I-45
to
Louisiana



Traffic Criteria

- Travel Demand
- Travel Time/Speed
- Congestion



Additional Lanes Needed - 2040



Additional Lanes Needed - 2040

With Gulf Coast Strategic Highway and 14th Amendment Highway*



* Feasibility and Funding for Gulf Coast Strategic Highway and 14th Amendment Highway have not been Determined



Environmental Criteria

- Land Use
- Natural Resources
- Cultural Resources
- Hazardous Materials
- Environmental Justice



Engineering Criteria

- Project Cost
- Right-of-Way Acquisition
- Operations and Maintenance Cost
- Safety
- Utilities



Economic Criteria

- Benefit/Cost Analysis
- Economic Development Impacts
 - Jobs
 - Income



Benefit/Cost Ratio - Freeway

Marginally Feasible



Benefit/Cost Ratio = 1.0 to 1.5

Benefit/Cost Ratio of 1.0 or greater:
benefits are equal to or outweigh the
costs.



Benefit/Cost Ratio Four-Lane Highway

Very Feasible



Benefit/Cost Ratio > 1.5 to 4.0

Benefit/Cost Ratio of 1.0 or greater:
benefits are equal to or outweigh the
costs.



Benefit/Cost Ratio – Freeway

With Gulf Coast Strategic Highway and 14th Amendment Highway*

Marginally Feasible



* Feasibility and Funding for Gulf Coast Strategic Highway and 14th Amendment Highway have not been Determined

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Benefit/Cost Ratio Four-Lane Highway

With Gulf Coast Strategic Highway and 14th Amendment Highway*

Very Feasible



* Feasibility and Funding for Gulf Coast Strategic Highway and 14th Amendment Highway have not been Determined

Benefit/Cost Ratio > 1.5 to 4.0

Benefit/Cost Ratio of 1.0 or greater:
benefits are equal to or outweigh the costs.



Evaluation Results – West US 190

Evaluation Criteria	Total Freeway Option 1	Total Freeway Option 2	Total Four-Lane Hwy Option 1	Total Four-Lane Hwy Option 2	Total Four-Lane Hwy Option 3	Fort to Port Option 1	Fort to Port Option 2	Evacuation	Mobility/Safety Option 1	Mobility/Safety Option 2
TRAFFIC	●	●	◐	◐	◐	●	●	◐	●	●
ENGINEERING	○	◐	◐	◐	●	○	○	◐	◐	◐
ENVIRONMENTAL	◐	◐	◐	◐	●	◐	◐	◐	◐	◐
ECONOMICS	○	◐	◐	◐	◐	○	○	◐	◐	◐
OVERALL	◐	◐	◐	◐	◐	◐	◐	◐	◐	◐

Most Favorable



Favorable



Neutral





















































Unfavorable



Most Unfavorable



Evaluation Results – Central US 190

Evaluation Criteria	Total Freeway Option 1	Total Freeway Option 2	Total Four-Lane Hwy Option 1	Total Four-Lane Hwy Option 2	Total Four-Lane Hwy Option 3	Fort to Port Option 1	Fort to Port Option 2	Evacuation	Mobility/Safety Option 1	Mobility/Safety Option 2
TRAFFIC										
ENGINEERING										
ENVIRONMENTAL										
ECONOMICS										
OVERALL										

Most Favorable



Favorable



Neutral





















































Unfavorable



Most Unfavorable



Evaluation Results – East US 190

Evaluation Criteria	Total Freeway Option 1	Total Freeway Option 2	Total Four-Lane Hwy Option 1	Total Four-Lane Hwy Option 2	Total Four-Lane Hwy Option 3	Fort to Port Option 1	Fort to Port Option 2	Evacuation	Mobility/Safety Option 1	Mobility/Safety Option 2
TRAFFIC										
ENGINEERING										
ENVIRONMENTAL										
ECONOMICS										
OVERALL										

Most Favorable



Favorable



Neutral



Unfavorable



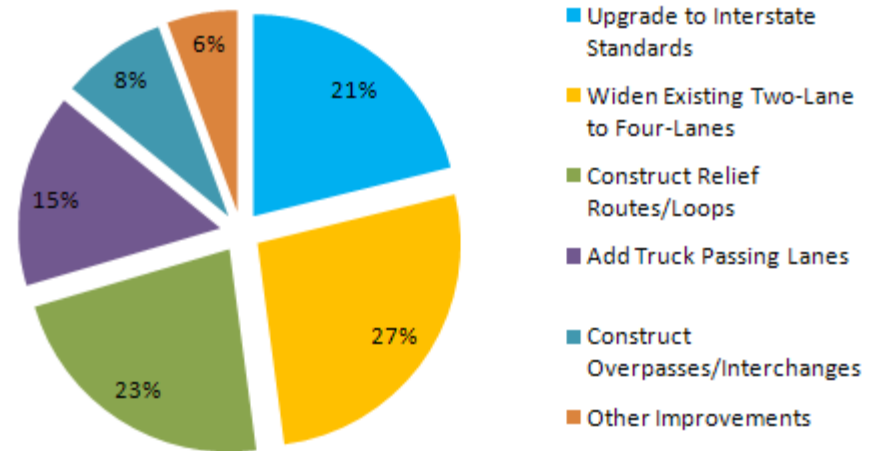
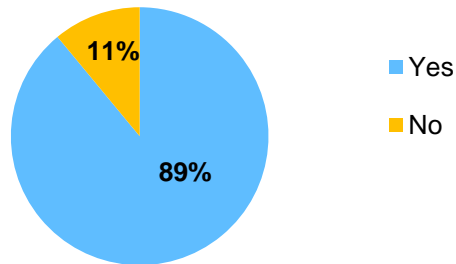
Most Unfavorable



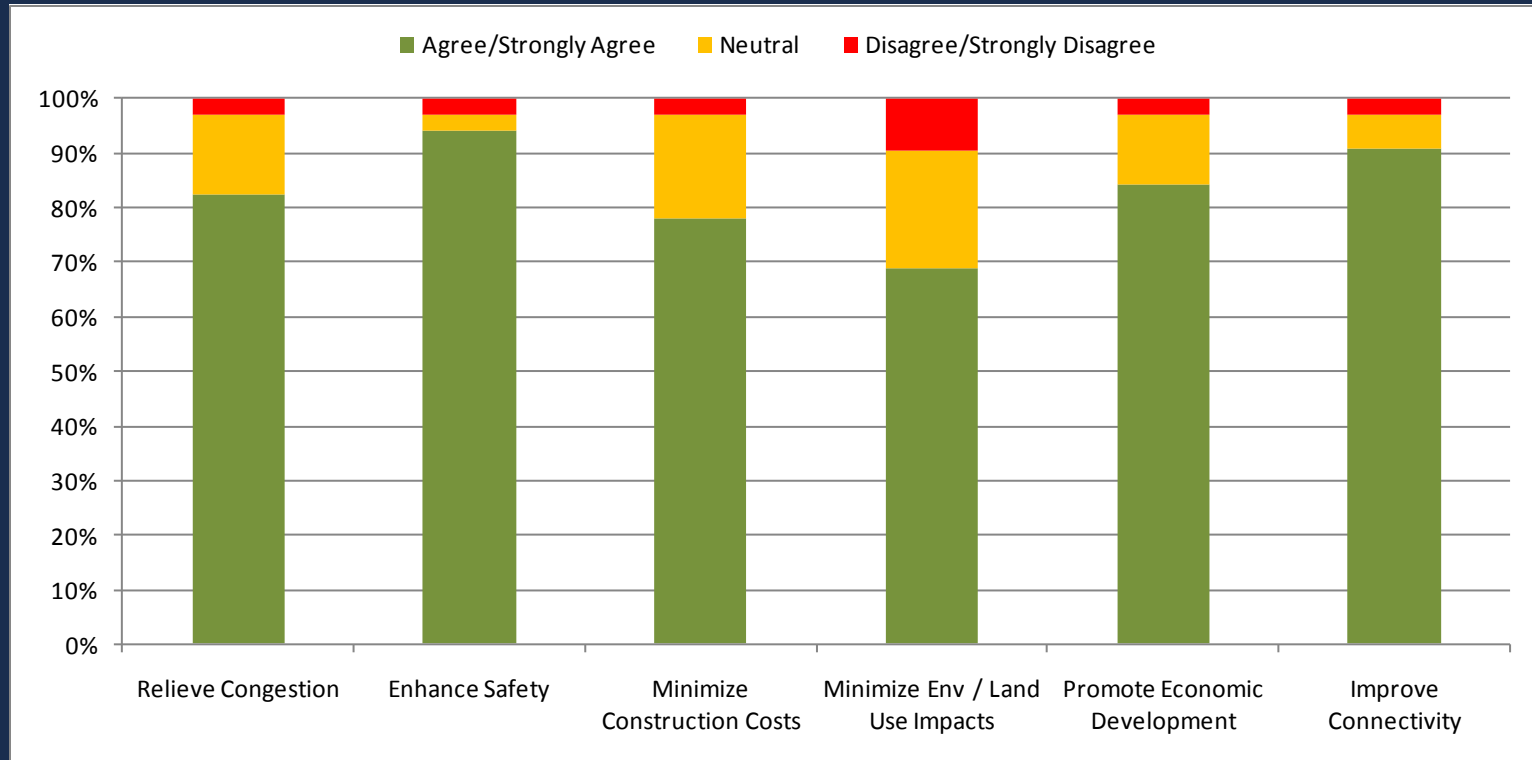
First Series of Public Meetings

- 8 Meeting Locations – Over 170 Attendees
- What We Heard:

Transportation Improvements Needed?



Public Ranking of Evaluation Criteria



Interim/Localized Improvements

- Overpasses/Interchanges
- Passing Lanes
- Relief Routes
- Standard Travel Lane and Shoulder Widths
- Intelligent Transportation System (ITS)
- Traffic Operational and Geometric Improvements



Potential Relief/Alternative Routes



○ Potential Relief/Alternative Routes
(Feasibility/Impacts Determined by Future Studies)



Traffic Operational/ Geometric Improvements



- ## ● Potential Intersection/Traffic Operational Improvements

- Traffic Signal Improvements
- Intersection Turn Management Lanes/Restrictions
- Other Access Management Measures

- ## ■ Potential Highway Geometric Improvements

- Eliminate Sharp Curves
- Standard Travel Lane/Shoulder Widths
- Standard Bridge Clearances



Potential Passing Lanes



— Highway Sections to Consider Passing Lanes
(Specific Locations Determined Later)



Potential Overpasses/Interchanges



● Railroad Overpasses

- US 190 at Gulf Colorado and San Saba Railway (Brady)
- US 190 at Gulf Colorado and San Saba Railway (east of Rochelle)
- SH 30 at BNSF (Shiro)

● Highway Overpasses

- US 190 at US 77 South (east of Cameron)
- US 190 at FM 2549 (south of Hearne)
- US 190 at FM 2776 (Wixon Valley)



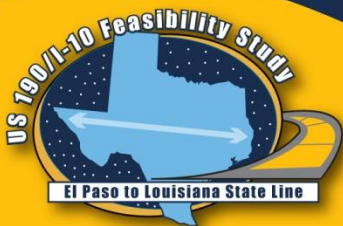
Intelligent Transportation Systems (ITS)

- Dynamic Message Signs
- Closed Circuit Cameras
- Highway Advisory Radio
- Emergency Management
- Maintenance and Construction Management



Next Steps

- Review/Incorporate Public Input
- Finalize Detailed Evaluation of Alternatives
- Refine and Prioritize Interim Improvements
- Investigate Funding Sources
- Prepare Final Study Report



Thank You!

Open House Format
Until 8:00 PM

